

Amendment to the Claims:

In compliance with the Revised Amendment Format, a complete listing of claims is provided herein.

1. (Currently amended) A method of providing access to an object of a computing environment, said method comprising:

requesting access, by a requester, to an object located in an address space of said computing environment, said requester being resident within said address space; and

providing access to said object using a local access proxy located within said address space, wherein use of said local access proxy provides separation of management of one or more object references to said object from management of one or more virtual memory copies of said object.

2. (Cancelled)

3. (Original) The method of claim 1, wherein said requester is one of another object located within said address space and an object request broker.

4. (Original) The method of claim 1, wherein said providing access comprises driving a method on said object.

5. (Original) The method of claim 1, further comprising creating said local access proxy.

6. (Original) The method of claim 5, wherein said creating comprises:

determining a type of said object being requested; and

obtaining an instance of said local access proxy of said type.

7. (Original) The method of claim 6, wherein said obtaining comprises using a local proxy factory to provide said instance of said local access proxy.

8. (Original) The method of claim 6, further comprising providing a pointer of said instance of said local access proxy to said requester, wherein said requester uses said instance of said local access proxy to access said object.

9. (Original) The method of claim 1, wherein said providing access comprises using, by said local access proxy, a reference to said object to provide access to said object.

10. (Original) The method of claim 1, wherein use of said local access proxy enables said object to be independent of any object references owned by said requester.

11. (Currently amended) A system of providing access to an object of a computing environment, said system comprising:

means for requesting access, by a requester, to an object located in an address space of said computing environment, said requester being resident within said address space; and

means for providing access to said object using a local access proxy located within said address space, wherein use of said local access proxy provides separation of management of one or more object references to said object from management of one or more virtual memory copies of said object.

12. (Cancelled)

13. (Original) The system of claim 11, wherein said requester is one of another object located within said address space and an object request broker.

14. (Original) The system of claim 11, wherein said means for providing access comprises means for driving a method on said object.

15. (Original) The system of claim 11, further comprising means for creating said local access proxy.

16. (Original) The system of claim 15, wherein said means for creating comprises:
means for determining a type of said object being requested; and
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means for obtaining an instance of said local access proxy of said type.

17. (Original) The system of claim 16, wherein said means for obtaining comprises means for using a local proxy factory to provide said instance of said local access proxy.

18. (Original) The system of claim 16, further comprising means for providing a pointer of said instance of said local access proxy to said requester, wherein said requester uses said instance of said local access proxy to access said object.

19. (Original) The system of claim 11, wherein said means for providing access comprises means for using, by said local access proxy, a reference to said object to provide access to said object.

20. (Original) The system of claim 11, wherein use of said local access proxy enables said object to be independent of any object references owned by said requester.

21. (Original) (Currently amended) A system of providing access to an object of a computing environment, said system comprising:

a requester adapted to request access to an object located in an address space of said computing environment, said requester being resident within said address space; and

a local access proxy located within said address space adapted to provide access to said object, wherein said local access proxy provides separation of management of one or more object references to said object from management of one or more virtual memory copies of said object.

22. (Currently amended) An article of manufacture, comprising:

at least one computer usable medium having computer readable program code means embodied therein for causing the providing of access to an object of a computing environment, the computer readable program code means in said article of manufacture comprising:

computer readable program code means for causing a computer to request access, by a requester, to an object located in an address space of said computing environment, said requester being resident within said address space; and

computer readable program code means for causing a computer to provide access to said object using a local access proxy located within said address space,
wherein use of said local access proxy provides separation of management of one or more object references to said object from management of one or more virtual memory copies of said object.

23. (Cancelled)

24. (Original) The article of manufacture of claim 22, wherein said requester is one of another object located within said address space and an object request broker.

25. (Original) The article of manufacture of claim 22, wherein said computer readable program code means for causing a computer to provide access comprises computer readable program code means for causing a computer to drive a method on said object.

26. (Original) The article of manufacture of claim 22, further comprising computer readable program code means for causing a computer to create said local access proxy.

27. (Original) The article of manufacture of claim 26, wherein said computer readable program code means for causing a computer to create comprises:

computer readable program code means for causing a computer to determine a type of said object being requested; and

computer readable program code means for causing a computer to obtain an instance of said local access proxy of said type.

28. (Original) The article of manufacture of claim 27, wherein said computer readable program code means for causing a computer to obtain comprises using a local proxy factory to provide said instance of said local access proxy.

29. (Original) The article of manufacture of claim 27, further comprising computer readable program code means for causing a computer to provide a pointer of said instance of said local access proxy to said requester, wherein said requester uses said instance of said local access proxy to access said object.
30. (Original) The article of manufacture of claim 22, wherein said computer readable program code means for causing a computer to provide access comprises using, by said local access proxy, a reference to said object to provide access to said object.
31. (Original) The article of manufacture of claim 22, wherein use of said local access proxy enables said object to be independent of any object references owned by said requester.
32. (New) The method of claim 1, wherein said separation results in a life cycle for said object being independent of a life cycle for said one or more object references.
33. (New) The method of claim 1, wherein said providing comprises said local access proxy communicating with a management agent.
34. (New) The method of claim 33, wherein said communicating comprises communicating prior to said access.
35. (New) The method of claim 33, wherein said communicating comprises communicating after said access.
36. (New) The method of claim 33, wherein said management agent comprises a container.
37. (New) The method of claim 33, further comprising interposing at least one management policy on said access via said management agent.
38. (New) The system of claim 11, wherein said separation results in a life cycle for said object being independent of a life cycle for said one or more object references.

39. (New) The system of claim 11, wherein said means for providing comprises means for said local access proxy to communicate with a management agent.
40. (New) The system of claim 39, wherein said means for said local access proxy to communicate comprises means for said local proxy to communicate with said management agent prior to said access.
41. (New) The system of claim 39, wherein said means for said local access proxy to communicate comprises means for said local proxy to communicate with said management agent after to said access.
42. (New) The system of claim 39, wherein said management agent comprises a container.
43. (New) The system of claim 39, further comprising means for interposing at least one management policy on said access via said management agent.
44. (New) The article of manufacture of claim 22, wherin said separation results in a life cycle for said object being independent of a life cycle for said one or more object references.
45. (New) The article of manufacture of claim 22, wherein said computer readable program code means for causing a computer to provide access comprises computer readable program code means for causing a computer to enable said local access proxy to communicate with a management agent.
46. (New) The article of manufacture of claim 45, wherein said computer readable program code means for causing a computer to enable said local access proxy to communicate comprises computer readable program code means for causing a computer to enable said local access proxy to communicate with said management agent prior to said access.
47. (New) The article of manufacture of claim 45, wherein said computer readable program code means for causing a computer to enable said local access proxy to

communicate comprises said computer readable program code means for causing a computer to enable said local access proxy to communicate with said management agent after said access.

48. (New) The article of manufacture of claim 45, wherein said management agent comprises a container.

49. (New) The article of manufacture of claim 45, further comprising computer readable program code means for causing a computer to interpose at least one management policy on said access via said management agent.

50. (New) The system of claim 21, further comprising a management agent for communicating with said local access proxy to manage said access.